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- (71) Applicant (for all designated States except US): PHARMAGENESIS, INC. [US/US]; 3183 Porter Drive, Palo Alto, CA 94304 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): AN, Jinhua [CN/US]; 2460 W. Bayshore Road #4, Palo Alto, CA 94303 (US). LEU, Karen, S. [US/US]; 12961 Brandywine Drive, Saratoga, CA 94303 (US). LENNOX, Edwin, S. [US/US]; 735 Mayfield Avenue, Stanford, CA 94305 (US). MUSSER, John, H. [US/US]; 23 Michael Court, San Carlos, CA 94070 (US).
- (74) Agents: KURZ, Walter et al.; Heller Ehrman White & McAuliffe LLP, 525 University Avenue, Palo Alto, CA 94301-1900 (US).

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(54) Title: HEMATOPOIETIC ARABINOGALACTAN COMPOSITION

(57) Abstract: Purified arabinogalactan compositions isolated from *Astragalus membranaceus*, especially from the roots of *Astragalus membranaceus*, and arabinogalactan protein compositions having a weight average molecular weight of at least 100 kilodaltons isolated from these purified arabinogalactan compositions, are capable of reconstitution into aqueous intravenously injectable formulations; and are useful for stimulating hematopoiesis; inducing the proliferation or maturation of megakaryocytes, stimulating the production of IL-1 β , IL-6, TNF- α , IFN- γ , GM-CSF, or G-CSF, stimulating the production or action of neutrophils, treating neutropenia, anemia, or thrombocytopenia, accelerating recovery from exposure (e.g. accidental or non-therapeutic exposure, as well as therapeutic exposure) to cytotoxic agents or radiation, treating cachexia, emesis, or drug withdrawal symptoms, or modifying biological responses or protecting hepatic cells in hepatitis B, in a mammal when intravenously administered to the mammal.